

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ITW

First Named

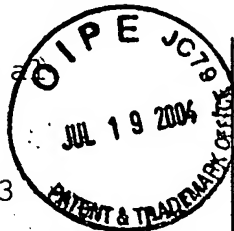
Inventor : Young-Hwa Kim et al

Appln. No. : 10/734,686

Filed : December 12, 2003

For : ABRASION AND HEAT RESISTANT
FABRICS

Docket No.: H49.12-0013



Group Art Unit: 1771

Examiner:

INFORMATION DISCLOSURE STATEMENT

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

14 DAY OF July, 2004

Lucretia P. Ji
PATENT ATTORNEY

Sir:

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/610,748, filed on July 6, 2000. References listed on the enclosed PTO Form 1449 were submitted to and/or cited by the Office in the prior application and copies are therefore not required to be provided herewith under 37 C.F.R. § 1.98(d).

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.
2. _____ after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:
(check either A or B below)
 - A. _____ a statement as specified in 37 C.F.R. § 1.97(e).
 - B. _____ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. _____ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:

- A. a statement as specified in 37 C.F.R. § 1.97(e);
- B. the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

_____ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

_____ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

METHOD OF PAYMENT

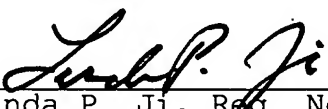
 X No fee is required.

 Attached is a check in the amount of \$____.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: 
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Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222
Fax: (612) 334-3312

LPJ:lms

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|---|--|---|--|
| FORM PTO-1449 | | Atty. Docket No.: H49.12-0013 | Appl. No.: 10/734,686 |
| <p align="center">LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> | | <p>First Named Inventor: Young-Hwa Kim et al.</p> | |
| | | <p>Filing Date December 12, 2003</p> | <p>Group Art: 1771</p> |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|----------|------------------|-------|-----------|----------------------------|
| AA | 3,179,551 | 4/20/65 | Dudas | 161 | | |
| AB | 3,227,574 | 1/4/66 | Mohr | 117 | | |
| AC | 3,553,066 | 1/5/71 | Cavalier, et al. | 161 | | |
| AD | 3,633,216 | 1/11/72 | Schönholtz | | | |
| AE | 3,813,281 | 5/28/74 | Burgess, et al. | 161 | 159 | |
| AF | 3,867,239 | 2/18/75 | Alesi et al. | 161 | 37 | |
| AG | 3,867,727 | 2/25/75 | Povlacs | | | |
| AH | 3,894,472 | 7/15/75 | Davis | 189 | 36 | |
| AI | 4,442,150 | 4/10/84 | Greiner, et al. | 428 | 53 | |
| AJ | 4,569,874 | 2/11/86 | Kuznetz | 428 | | |
| AK | 4,603,069 | 7/29/86 | Haq, et al. | 428 | | |
| AL | 4,623,574 | 11/18/86 | Harpell, et al | 428 | | |
| AM | 4,742,578 | 5/10/88 | Seid | | | |
| AN | 4,793,354 | 12/27/88 | Wright, et al. | | | |
| AO | 4,810,559 | 3/7/89 | Fortier et al. | 428 | 161 | |
| AP | 4,833,733 | 5/30/89 | Welch | | | |

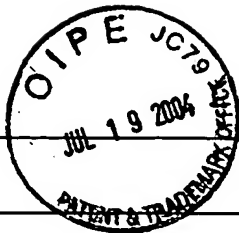
FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|----------|----------------|-------|-----------|--------------------|
| AQ | 2 302 794 | 05.02.97 | United Kingdom | F41H | | |
| AR | 2 287 639 | 27.09.95 | United Kingdom | F41H | | |
| AS | WO 93/21492 | 28.10.93 | PCT | F41H | | |
| AT | WO 95/07033 | 16.03.95 | | | | |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|----------|-------------------|-------|-----------|----------------------------|
| BA | 4,858,245 | 8/22/89 | Sullivan, et al. | | | |
| BB | 4,864,661 | 9/12/89 | Gimbel | | | |
| BC | 4,881,277 | 11/21/89 | Hogle | | | |
| BD | 4,901,372 | 2/20/90 | Pierce | | | |
| BE | 4,916,000 | 4/10/90 | Li, et al. | 428 | | |
| BF | 4,919,966 | 4/24/90 | Shienker | 427 | | |
| BG | 4,995,119 | 2/26/91 | CodKind | | | |
| BH | 5,020,162 | 6/4/91 | Kersten, et al. | | | |
| BI | 5,070,540 | 12/10/91 | Bettcher | | | |
| BJ | 5,079,543 | 12/10/91 | Beck | | | |
| BK | 5,087,499 | 2/11/92 | Sullivan | 428 | | |
| BL | 5,093,933 | 3/10/92 | Berry | | | |
| BM | 5,132,167 | 7/21/92 | Prato | 428 | | |
| BN | 5,138,719 | 8/18/92 | Orlianges, et al. | | | |
| BO | 5,172,424 | 12/22/92 | Adkins | | | |
| BP | 5,173,966 | 12/29/92 | DeLeo | | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|----------|---------|-------|-----------|--------------------|
| BQ | WO 92/08094 | 14.05.92 | PCT | F41H | | |
| BR | 0 657 110 A1 | 14.06.95 | EPO | F41D | 13/10 | |
| BS | 0 028 476 | 13.05.81 | EPO | | | |
| BT | WO 98/00039 | 08.01.98 | PCT | | | x |

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U.S. PATENT DOCUMENTS

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|------------------|--------------|----------|------------------|-------|-----------|----------------------------|
| CA | 5,187,023 | 2/16/93 | Prevorsek et al. | 428 | 911 | |
| CB | 5,187,815 | 2/23/93 | Stern | | | |
| CC | 5,196,252 | 3/1993 | Harpell | 428 | 102 | |
| CD | 5,200,263 | 4/6/93 | Gould, et al. | 428 | | |
| CE | 5,200,263 | 4/6/93 | Gould et al. | 428 | 323 | |
| CF | 5,210,877 | 5/18/93 | Newman | | | |
| CG | 5,231,700 | 8/3/93 | Catshall | | | |
| CH | 5,259,069 | 11/9/93 | Gimbel | | | |
| CI | 5,306,532 | 4/1994 | Tsien et al. | 428 | 33 | |
| CJ | 5,308,683 | 5/3/94 | Dees, et al. | 428 | | |
| CK | 5,317,759 | 6/7/94 | Pierce | | | |
| CL | 5,335,373 | 9/9/94 | Dangman, et al. | | | |
| CM | 5,336,555 | 8/9/94 | Darras | | | |
| CN | 5,345,612 | 9/13/94 | Stein | | | |
| CO | 5,357,636 | 10/25/94 | Dresdner, et al. | | | |
| CP | 5,368,930 | 11/29/94 | Samples | | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|----------------|----------|---------|-------|-----------|--------------------|
| CQ | WO 92/20520 | 26.11.92 | PCT | | | |
| CR | WO 01/29299 A2 | 26.04.01 | PCT | | | |
| CS | DE 3938741 A1 | 07.03.91 | Germany | | | X (abstract) |
| CT | | | | | | |

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U.S. PATENT DOCUMENTS

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|------------------|--------------|----------|---------|-------|-----------|----------------------------|
| DA | 5,407,612 | 4/18/95 | Gould | | | |
| DB | 5,421,033 | 6/6/95 | DeLeo | | | |
| DC | 5,423,090 | 6/13/95 | Gimbel | | | |
| DD | 5,425,142 | 6/20/95 | Scott | | | |
| DE | 5,428,841 | 7/4/95 | Stein | | | |
| DF | 5,442,815 | 8/22/95 | Cordova | | | |
| DG | 5,442,816 | 8/22/95 | Seketa | | | |
| DH | 5,459,879 | 10/24/95 | Fuchs | | | |
| DI | 5,488,777 | 9/12/95 | Lew | | | |
| DJ | 5,500,957 | 3/26/96 | Stein | | | |
| DK | 5,511,241 | 4/30/96 | Ziegler | | | |
| DL | 5,515,548 | 5/14/96 | Lazarus | | | |
| DM | 5,548,844 | 8/27/96 | Ceresia | | | |
| DN | 5,564,127 | 10/15/96 | Manne | | | |
| DO | 5,568,657 | 10/29/96 | Cordova | | | |
| DP | 5,569,348 | 10/29/96 | Hefele | 156 | 239 | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|----------------|----------|----------------|-------|-----------|--------------------|
| DQ | GB 2 130 073 A | 31.05.84 | United Kingdom | | | |
| DR | DE 29 27 653 | 29.01.81 | Germany | | | X |
| DS | DE 37 18 453 | 06.02.87 | Germany | | | X |
| DT | | | | | | |

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U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|----------|-------------------|-------|-----------|----------------------------|
| EA | 5,575,296 | 11/19/96 | Peck | 128 | 880 | |
| EB | 5,601,895 | 2/11/97 | Cunningham | 428 | 66.6 | |
| EC | 5,626,949 | 5/6/97 | Blauer, et al. | 428 | | |
| ED | 5,632,948 | 6/27/97 | Moore | 264 | 243 | |
| EF | 5,644,797 | 7/8/97 | Daneshvar | | | |
| EG | 5,665,810 | 9/1997 | Patchett et al. | 524 | 449 | |
| EH | 5,677,029 | 10/14/97 | Prevorsek, et al. | 428 | | |
| EI | 5,687,424 | 11/18/97 | Masley | | | |
| EJ | 5,706,520 | 1/13/98 | Thornton, et al. | | | |
| EK | 5,709,920 | 1/20/98 | Danton | 428 | | |
| EL | 5,745,919 | 5/5/98 | Draatz | | | |
| EM | 5,752,279 | 5/19/98 | Hochmuth | | | |
| EN | 5,759,626 | 6/2/98 | Hefelee | 427 | 265 | |
| EO | 5,761,743 | 6/9/98 | Andrews, et al. | | | |
| EP | 5,773,373 | 6/30/98 | Wynne, et al. | 442 | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|----------|----------------|-------|-----------|--------------------|
| EQ | GB 2 238 460 | 06.05.91 | United Kingdom | | | |
| ER | IT 737334 | 1968 | Italy | | | X (Abstract) |
| ES | JP 52062502 | 24.05.77 | Japan | | | X (Abstract) |
| ET | | | | | | |

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|------------------|--------------|----------|------------------|-------|-----------|----------------------------|
| FA | 5,789,327 | 8/4/98 | Rousseau | 442 | | |
| FB | 5,799,333 | 9/1/98 | McGarry, et al. | | | |
| FC | 5,853,863 | 12/1998 | Kim | 428 | 223 | |
| FD | 5,854,143 | 12/29/98 | Schuster, et al. | 442 | | |
| FE | 5,855,991 | 1/5/99 | MCLARTY, ET AL. | 428 | | |
| FF | 5,883,021 | 3/16/99 | Beer, et al. | 442 | | |
| FG | 5,906,873 | 5/1999 | Kim | 428 | 57 | |
| FH | 5,925,441 | 7/20/99 | Blauer, et al. | 428 | | |
| FI | 5,935,678 | 8/10/99 | Park | 428 | | |
| FJ | 6,000,055 | 12/14/99 | Citterio | | | |
| FK | 6,020,057 | 2/2000 | Darras | 428 | 323 | |
| FL | 6,080,474 | 6/2000 | Oakley et al. | 428 | 323 | |
| FM | D351,930 | 10/25/94 | Snider, et al. | | | |
| FN | D358,145 | 5/1995 | DeLeo | D2 | 617 | |
| FO | D389,608 | 1/20/98 | Draatz | | | |
| FP | | | | | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|----------|---------|-------|-----------|--------------------|
| FQ | O 02 84 76 | 05.10.83 | EPO | | | |
| FR | WO 92/20519 | 26.11.92 | WIPO | | | |
| FS | WO 98/53715 | 03.12.98 | WIPO | | | |
| FT | | | | | | |

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